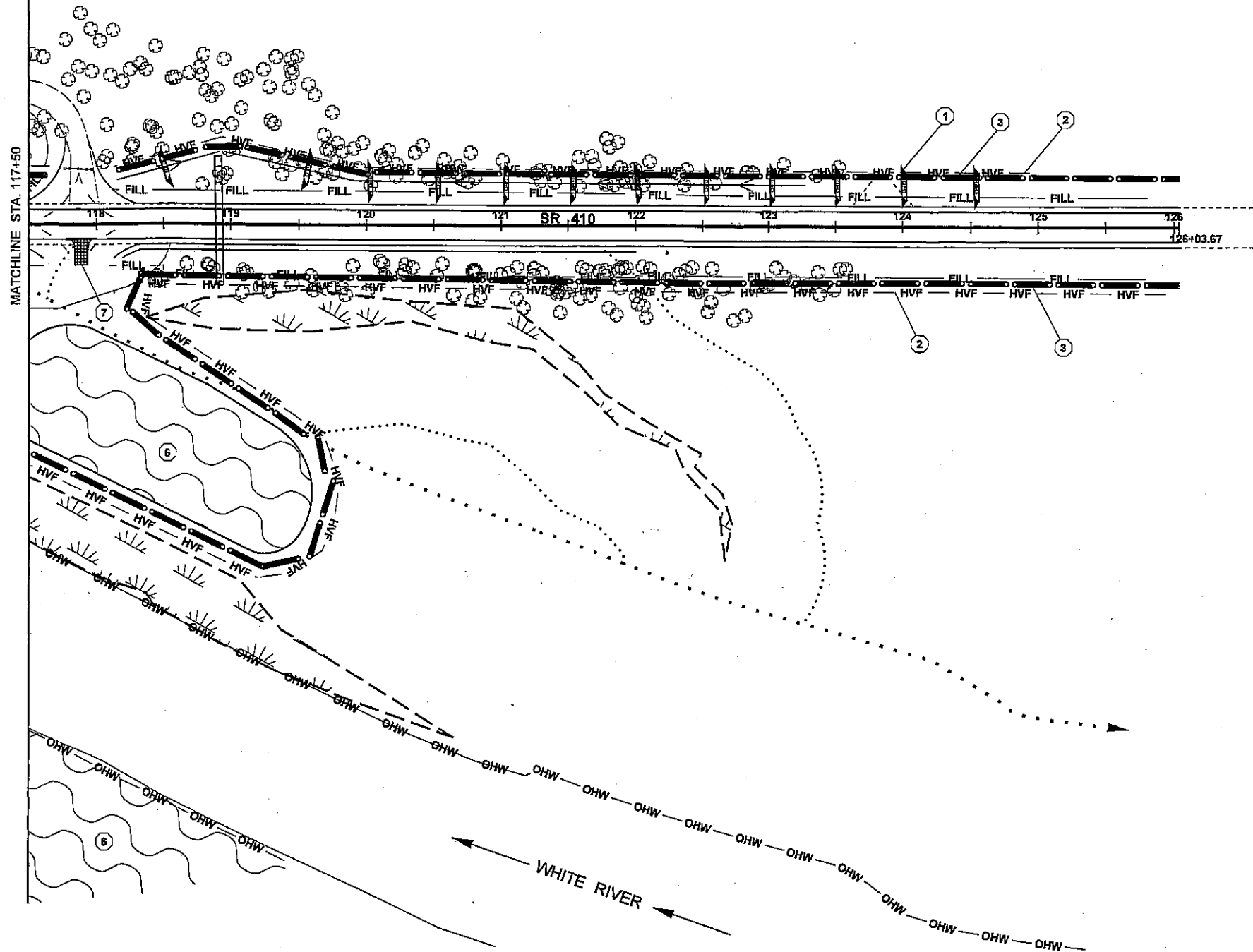
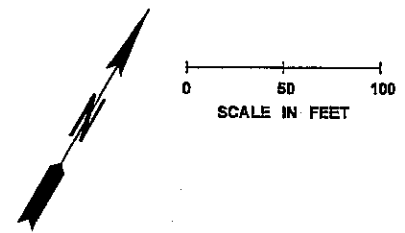


SEC. 9, T. 19 N., R. 9 E., W.M.

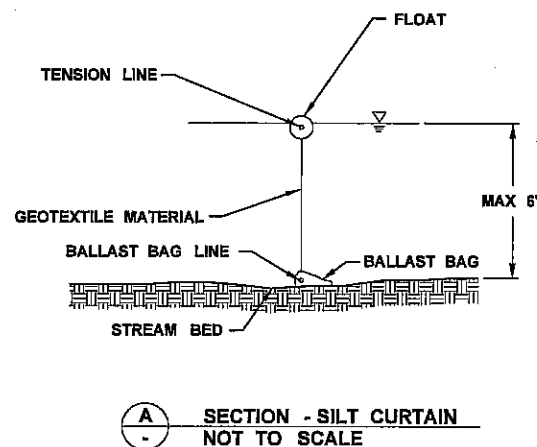
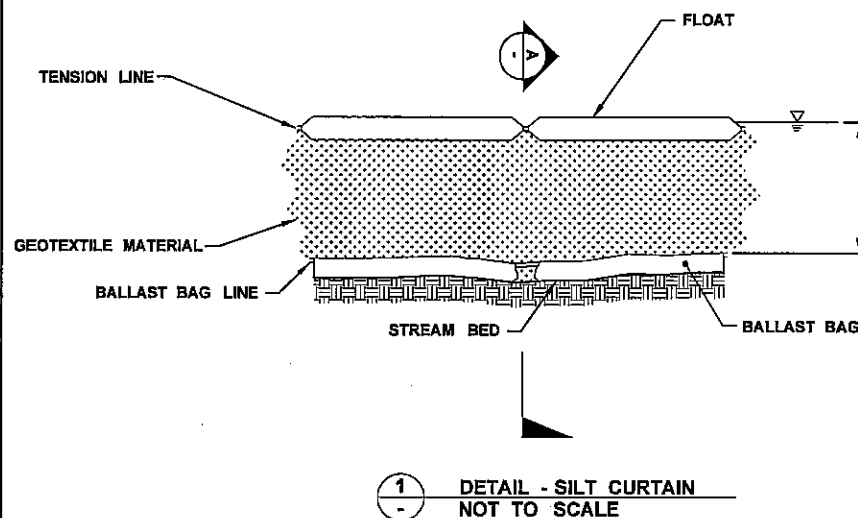


FILE NAME		D:\pro\Y2006\06-03475-002\CAD\Draws\51 EC3.dgn		REGION NO.		STATE		FED.AID PROJ.NO.						SR 410 WHITE RIVER - STABILIZE SLOPES PROBLEM SITE 9		Plot 1	
TIME		10:49:25 AM		10		WASH										EC3	
DATE		12/28/2007		JOB NUMBER		141060G		LOCATION NO.						EROSION CONTROL		SHEET 51 OF 82 SHEETS	
PLOTTED BY		tprescott		CONTRACT NO.		Y-9292											
DESIGNED BY		G. KAYS															
ENTERED BY		T. PRESCOTT															
CHECKED BY		M. SPILLANE															
PROJ. ENGR.		D. EDWARDS															
REGIONAL ADM.		X. XXXXXXXX		REVISION		DATE		BY									

30% SUBMITTAL

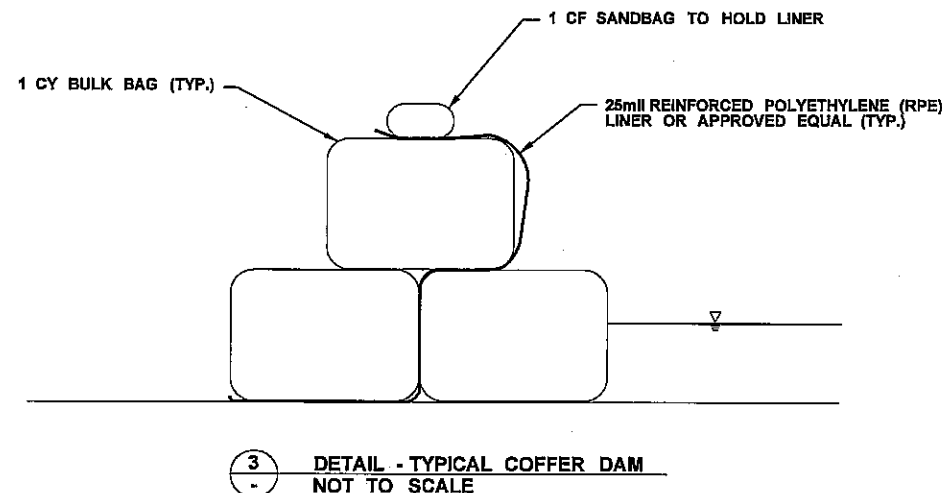
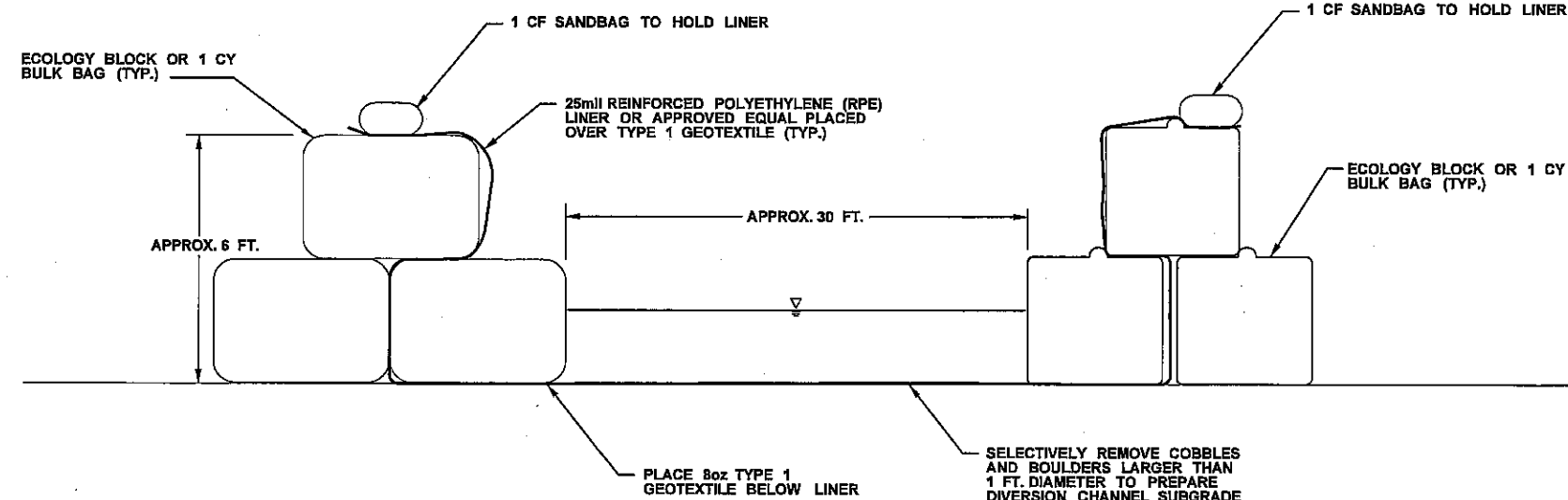
P.E. STAMP BOX

DATE



GENERAL NOTES:

1. APPROVAL OF THE CONTRACTOR'S TEMPORARY WATER AND SEDIMENT CONTROL PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTIONS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
2. THE IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL (ESC) PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED
3. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEM, AND ADJACENT PROPERTIES IS MINIMIZED.
4. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.).
5. THE ESC FACILITY SHALL BE INSPECTED DAILY BY THE CONTRACTOR'S ESC SUPERVISORS AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
6. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR SEVEN DAYS SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
7. ANY AREA NEEDING ESC MEASURES THAT DO NOT REQUIRE IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
8. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED OR WITHIN TWENTY FOUR (24) HOURS FOLLOWING A STORM EVENT.
9. STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
10. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2 TO 3 INCHES.



DIVERSION NOTES:

1. COBBLES AND BOULDERS REMOVED DURING DIVERSION CHANNEL SUB-GRADE PREPARATION SHALL BE STOCKPILED LOCALLY FOR REPLACEMENT DURING DIVERSION CHANNEL DECOMMISSIONING.
2. BULK BAGS SHALL HAVE POLY BAG LINERS.
3. MATERIAL USED TO FILL BULK BAGS SHALL BE APPROVED WASHED AGGREGATE OR NATIVE ALLUVIUM FROM ELJ CONSTRUCTION.
4. TYPE 1 GEOTEXTILE SHALL BE USED OVER PREPARED SUBGRADE TO PROVIDE CUSHION LAYER FOR GEOMEMBRANE LINER.
5. GEOMEMBRANE LINER SHALL BE REINFORCED 25 MILL. POLYETHYLENE.
6. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN A MINIMUM LINED CHANNEL DEPTH OF 6 FEET TALL.
7. UPSTREAM AND DOWNSTREAM ENDS OF DIVERSION CHANNEL GEOMEMBRANE LINER AND GEOTEXTILE LINER SHALL BE INSTALLED WITH ANCHOR TRENCHES.
8. GEOMEMBRANE SHALL BE SUPPLIED AND INSTALLED WITH MINIMAL WELDS.
9. ALL FIELD SEAMS SHALL OVERLAPPED A MINIMUM OF 8 FEET AND SHINGLED IN THE DOWNGRADE DIRECTION. TRANSVERSE SEAMS WILL NOT BE ALLOWED.

FILE NAME D:\proj\Y2006\06-03475-002\CAD\DWG\152 ECD1.dgn

TIME 11:42:29 AM

DATE 1/3/2008

PLOTTED BY tprezscott

DESIGNED BY G. KAYS

ENTERED BY T. PRESCOTT

CHECKED BY M. SPILLANE

PROJ. ENGR. D. EDWARDS

REGIONAL ADM. X. XXXXXXXX

REVISION

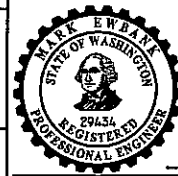
DATE

BY

REGION NO. 10
STATE WASH
JOB NUMBER 141060G
CONTRACT NO. Y-9292

FED.AID PROJ.NO.

LOCATION NO.



30% SUBMITTAL
P.E. STAMP BOX
DATE



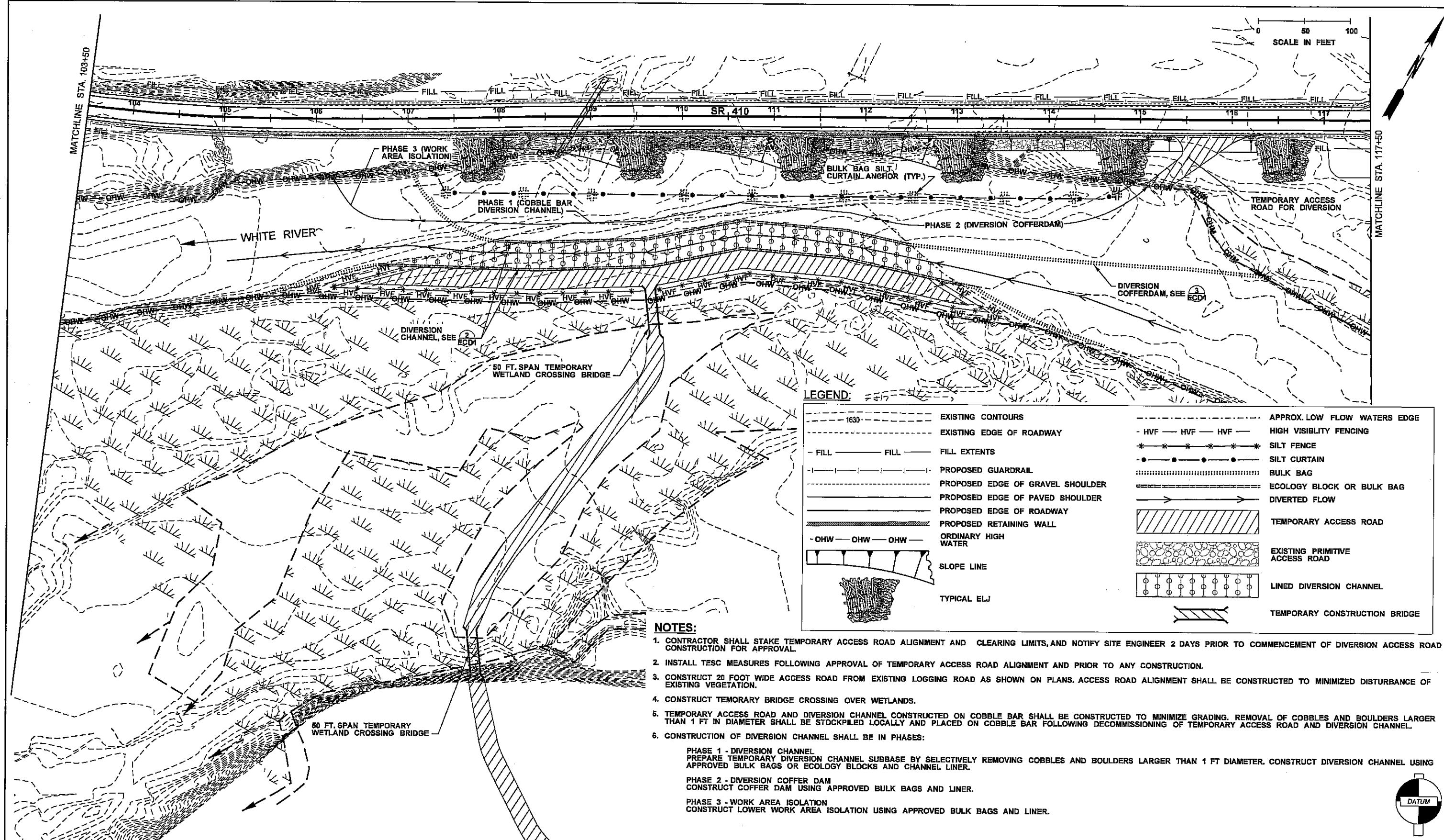
SR 410
WHITE RIVER - STABILIZE SLOPES
PROBLEM SITE 9

EROSION CONTROL DETAILS

Plot 1

ECD1

SHEET 52 OF 82 SHEETS



LEGEND:

- 1630 -	EXISTING CONTOURS	- HVF - HVF - HVF -	APPROX. LOW FLOW WATERS EDGE
- FILL - FILL -	EXISTING EDGE OF ROADWAY	* * * * *	HIGH VISIBILITY FENCING
- FILL - FILL -	FILL EXTENTS	- . - . - . - . - .	SILT FENCE
- - - - -	PROPOSED GUARDRAIL	- . - . - . - . - .	SILT CURTAIN
- - - - -	PROPOSED EDGE OF GRAVEL SHOULDER	- . - . - . - . - .	BULK BAG
- - - - -	PROPOSED EDGE OF PAVED SHOULDER	- . - . - . - . - .	ECOLOGY BLOCK OR BULK BAG
- - - - -	PROPOSED EDGE OF ROADWAY	- . - . - . - . - .	DIVERTED FLOW
- - - - -	PROPOSED RETAINING WALL	- . - . - . - . - .	TEMPORARY ACCESS ROAD
- OHW - OHW - OHW -	ORDINARY HIGH WATER	- . - . - . - . - .	EXISTING PRIMITIVE ACCESS ROAD
- - - - -	SLOPE LINE	- . - . - . - . - .	LINED DIVERSION CHANNEL
- - - - -	TYPICAL ELJ	- . - . - . - . - .	TEMPORARY CONSTRUCTION BRIDGE

NOTES:

- CONTRACTOR SHALL STAKE TEMPORARY ACCESS ROAD ALIGNMENT AND CLEARING LIMITS, AND NOTIFY SITE ENGINEER 2 DAYS PRIOR TO COMMENCEMENT OF DIVERSION ACCESS ROAD CONSTRUCTION FOR APPROVAL.
- INSTALL TESC MEASURES FOLLOWING APPROVAL OF TEMPORARY ACCESS ROAD ALIGNMENT AND PRIOR TO ANY CONSTRUCTION.
- CONSTRUCT 20 FOOT WIDE ACCESS ROAD FROM EXISTING LOGGING ROAD AS SHOWN ON PLANS. ACCESS ROAD ALIGNMENT SHALL BE CONSTRUCTED TO MINIMIZED DISTURBANCE OF EXISTING VEGETATION.
- CONSTRUCT TEMPORARY BRIDGE CROSSING OVER WETLANDS.
- TEMPORARY ACCESS ROAD AND DIVERSION CHANNEL CONSTRUCTED ON COBBLE BAR SHALL BE CONSTRUCTED TO MINIMIZE GRADING. REMOVAL OF COBBLES AND BOULDERS LARGER THAN 1 FT IN DIAMETER SHALL BE STOCKPILED LOCALLY AND PLACED ON COBBLE BAR FOLLOWING DECOMMISSIONING OF TEMPORARY ACCESS ROAD AND DIVERSION CHANNEL.
- CONSTRUCTION OF DIVERSION CHANNEL SHALL BE IN PHASES:

PHASE 1 - DIVERSION CHANNEL
PREPARE TEMPORARY DIVERSION CHANNEL SUBBASE BY SELECTIVELY REMOVING COBBLES AND BOULDERS LARGER THAN 1 FT DIAMETER. CONSTRUCT DIVERSION CHANNEL USING APPROVED BULK BAGS OR ECOLOGY BLOCKS AND CHANNEL LINER.

PHASE 2 - DIVERSION COFFER DAM
CONSTRUCT COFFER DAM USING APPROVED BULK BAGS AND LINER.

PHASE 3 - WORK AREA ISOLATION
CONSTRUCT LOWER WORK AREA ISOLATION USING APPROVED BULK BAGS AND LINER.

FILE NAME O:\proj\Y2006\06-03475-002\CAD\dwgs\00 EC4b.dgn

TIME 11:54:21 AM

DATE 1/3/2008

PLOTTED BY tprezcoff

DESIGNED BY G. KAYS

ENTERED BY T. PRESCOTT

CHECKED BY M. SPILLANE

PROJ. ENGR. D. EDWARDS

REGIONAL ADM. X. XXXXXXXX

REVISION

DATE BY

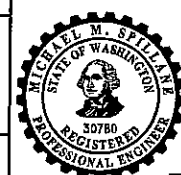
REGION NO. 10 STATE WASH

JOB NUMBER 141060G

CONTRACT NO. Y-9292

FED.AID PROJ.NO.

LOCATION NO.



EXPIRES: 4/6/2009

DATE

30% SUBMITTAL

P.E. STAMP BOX

DATE



SR 410
WHITE RIVER - STABILIZE SLOPES
PROBLEM SITE 9

EROSION CONTROL RIVER
DIVERSION PLAN 3

Plot 1

EC4b

SHEET 00 OF 82 SHEETS

0 50 100
SCALE IN FEET

SCALE IN FEET

1630

EXISTING CONTOURS

EXISTING EDGE OF ROADWAY

FILL

FILL EXTENTS

PROPOSED GUARDRAIL

PROPOSED EDGE OF GRAVEL SHOULDER

PROPOSED EDGE OF PAVED SHOULDER

PROPOSED EDGE OF ROADWAY

PROPOSED RETAINING WALL

DRAINAGE SUBBASIN

DITCH

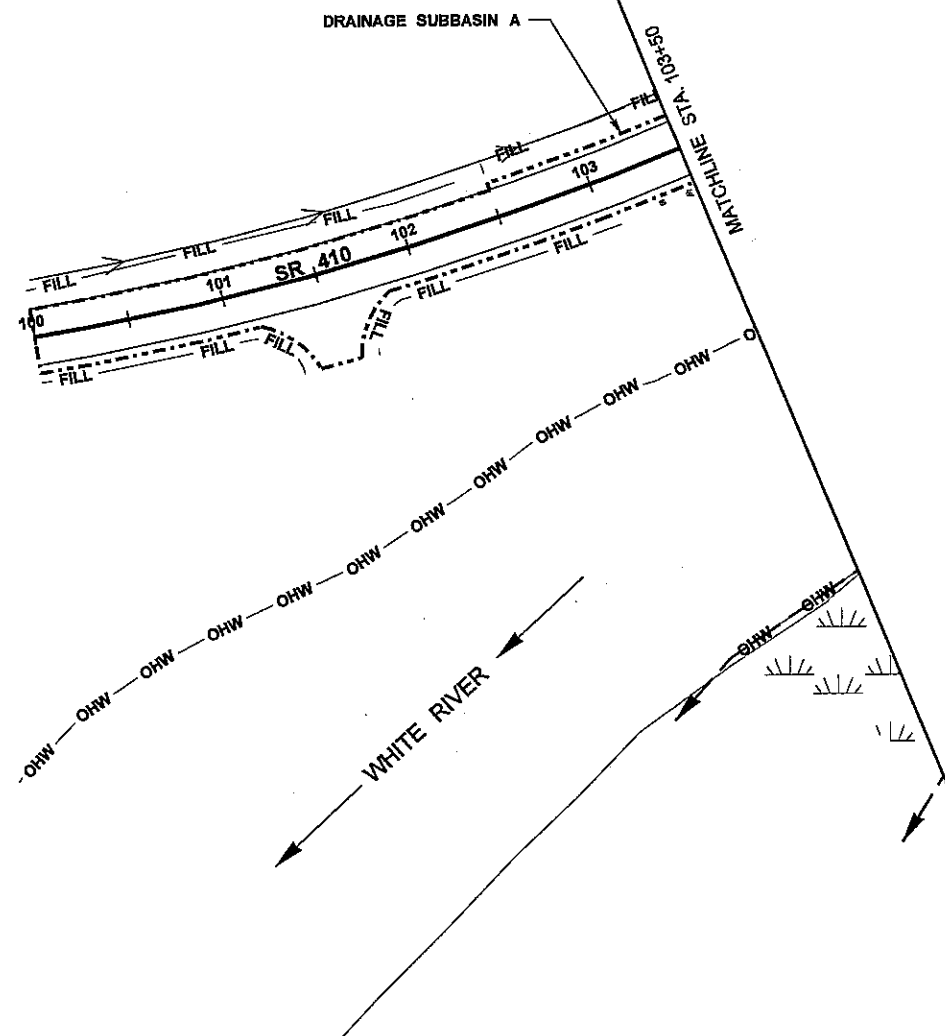
ECOLOGY EMBANKMENT



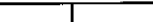
CATCH BASIN

NEW BOX CULVERT

QUARRY SPALL

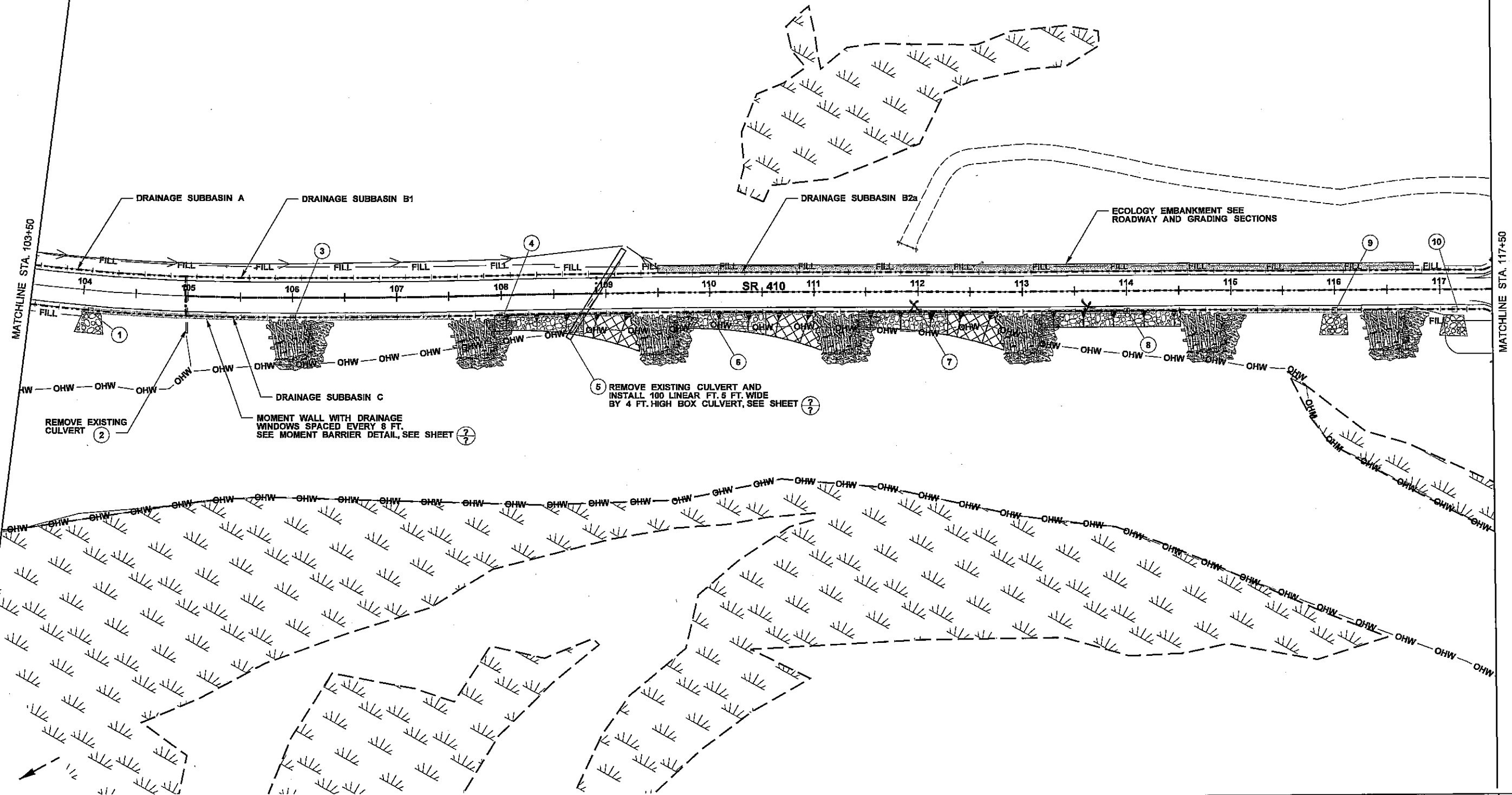
SHEET FLOW DIRECTION



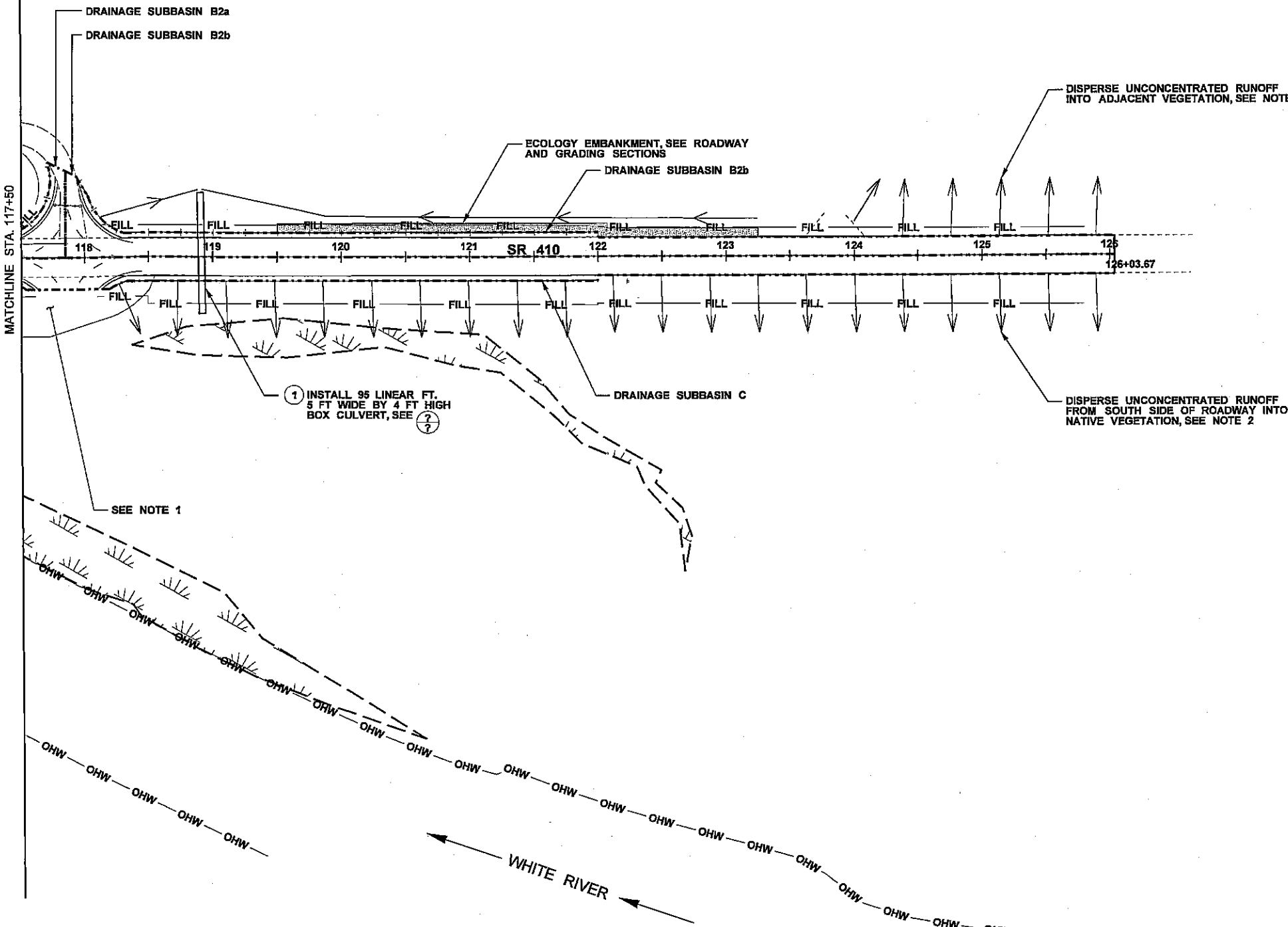
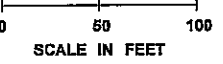
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TIME		\$TIME\$								10		WASH		DR1											
DATE		\$\$\$\$DATE\$\$\$																						SHEET 54 OF 82 SHEETS	
PLOTTED BY		\$\$USERNAME\$\$																							
DESIGNED BY		R. KIRSCHBAUM																							
ENTERED BY		T. PRESCOTT																							
CHECKED BY		M. SPILLANE																							
PROJ. ENGR.		D. EDWARDS																							
REGIONAL ADM.		X. XXXXXXXXX				REVISION		DATE		BY															

SEC. 9, T. 19 N., R. 9 E., W.M.

0 50 100
SCALE IN FEET



FILE NAME: O:\proj\Y2006\06-03475-002\CAD\DWG\SR2.dgn		REGION NO. 10		STATE WASH		FED.AID PROJ.NO.						SR 410 WHITE RIVER - STABILIZE SLOPES PROBLEM SITE 9		Plot 1
TIME: 2:42:57 PM	DATE: 12/5/2007	JOB NUMBER: 141060G		CONTRACT NO. Y-9292		LOCATION NO.						DRAINAGE PLAN		DR2
DESIGNED BY: R. KIRSCHBAUM		ENTERED BY: T. PRESCOTT		CHECKED BY: M. SPILLANE		PROJ. ENGR. D. EDWARDS		REGIONAL ADM. X. XXXXXXXX		REVISION		DATE	BY	SHEET 55 OF 82 SHEETS



NOTES:

1. MAINTENANCE PULL-OUT AREA UNDEFINED. DRAINAGE PLAN WILL BE PROVIDED FOR THIS AREA IN THE 50 PERCENT PLAN SET.
2. STORMWATER RUNOFF FROM THE EASTBOUND LANE EAST OF THE MAINTENANCE PULL-OUT AREA CURRENTLY DISPERSES INTO NATIVE VEGETATION. THIS RUNOFF PATTERN WILL BE MAINTAINED.
3. STORMWATER RUNOFF FROM THE WESTBOUND LANE EAST OF THE EXISTING DRIVEWAY AT STATION 124+00 CURRENTLY DISPERSES INTO ADJACENT VEGETATION. THIS RUNOFF PATTERN WILL BE MAINTAINED.

FILE NAME		O:\proj\Y2006\06-03475-002\CAD\DWGslDR3.dgn										REGION NO.		STATE		FED.AID PROJ.NO.		<div><div><div><div><div><div></div><div>JOHN KIRSCHBAUM</div><div>STATE OF WASHINGTON</div><div><div><div></div><div></div><div></div></div></div><div>REGISTERED</div><div>PROFESSIONAL ENGINEER</div><div>98545</div></div><div>EXPIRES: 02/22/2009</div><div>DATE</div></div></div><div><div>P.E. STAMP BOX</div><div>DATE</div></div></div></div>		<div><div><div><div><div></div><div>Washington State</div><div>Department of Transportation</div></div><div><div><div><div></div><div>HERRERA</div><div>ENVIRONMENTAL CONSULTANTS</div></div></div></div></div></div></div>		SR 410 WHITE RIVER - STABILIZE SLOPES PROBLEM SITE 9		Plot 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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STRUCTURE NOTES

NOTE:
THE FIRST NUMBER OF THE "CODE
DESIGNATION" BELOW REFERS TO THE SHEET
NO. OR THE SHEET REFERENCE NO. SHOWING
THE DRAINAGE FEATURE.

THE SECOND NUMBER REFERS TO THE DRAINAGE FEATURE FOUND ON THAT SHEET.

GENERAL NOTES:

SEE GENERAL NOTES

CODE	LOCATION	UNIT OF MEASURE
------	----------	-----------------

DR2-1	Stationing to be determined
DR2-2	Stationing to be determined
DR2-3	Stationing to be determined
DR2-4	Stationing to be determined
DR2-5	Stationing to be determined
DR2-6	Stationing to be determined
DR2-7	Stationing to be determined
DR2-8	Stationing to be determined
DR2-9	Stationing to be determined
DR2-10	Stationing to be determined

DR3-1	Stationing to be determined
-------	-----------------------------

SHEET TOTAL
PROJECT TOTAL

DESIGNED BY	Robin Kirschbaum
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	
REGION ADM.	

DATE	DATE	REVISION	BY
------	------	----------	----

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER 33760467		
CONTRACT NO. Y - 9292		



SR 410
WHITE RIVER - STABILIZE SLOPES

STRUCTURE NOTES

SN1

SHEET
61
OF
82
SHEETS

LEGEND:

	WETLAND NOT TO BE DISTURBED
	WETLAND PERMANENT IMPACT
	WETLAND TEMPORARY IMPACT
	WETLAND BUFFER NOT TO BE DISTURBED
	WETLAND BUFFER PERMANENT IMPACT
	WETLAND BUFFER TEMPORARY IMPACT
	STREAM NOT TO BE DISTURBED
	STREAM BUFFER PERMANENT IMPACT
	STREAM BUFFER NOT TO BE DISTURBED
	STREAM BUFFER TEMPORARY IMPACT
	STREAM PERMANENT IMPACT
	STREAM TEMPORARY IMPACT
	EXISTING EDGE OF PAVEMENT
	EDGE OF PAVEMENT
	RETAINING WALL
	STREAM FLOW LINE
	EXISTING CULVERT
	CULVERT
	EXISTING DRAINAGE DITCH
	DRAINAGE DITCH
	ROADWAY STATION
	WETLAND AND BUFFER BOUNDARY CONTINUES
	EXISTING FENCE
	EXISTING GUARDRAIL
	RIGHT OF WAY
	CG — CG — CLEAR AND GRUB
	HVF — HVF — HIGH VISIBILITY FENCE
	# ENVIRONMENTAL SITE CODE

IMPACT ABBREVIATIONS:

SBTI = STREAM BUFFER TEMPORARY IMPACT
 SBPI = STREAM BUFFER PERMANENT IMPACT
 STI = STREAM TEMPORARY IMPACT
 SPI = STREAM PERMANENT IMPACT
 WBPI = WETLAND BUFFER PERMANENT IMPACT

NOTES:

1. FINAL ALIGNMENT OF PARK PICNIC AREA ACCESS REALIGNMENT TO BE FINALIZED IN 60 PERCENT PLAN SET.

SEC. 9, T. 19 N., R. 9 E., W.M.

0 50 100
SCALE IN FEET

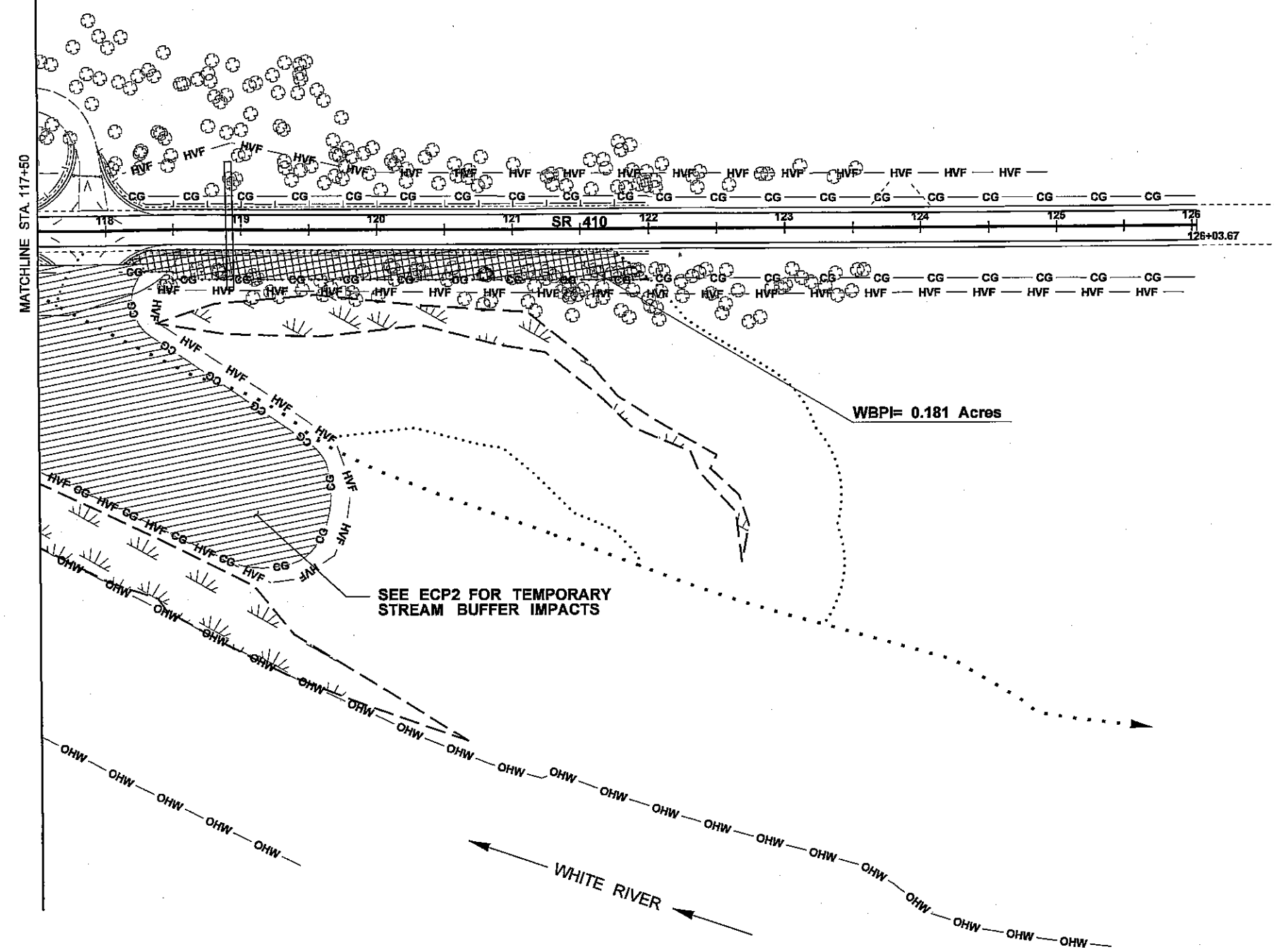
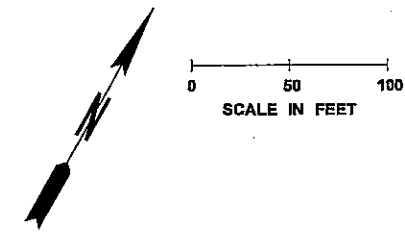
PROPOSED PARK PICNIC AREA ACCESS, SEE NOTE 1

SBPI = 0.100 Acres

WHITE RIVER

FILE NAME O:\proj\Y2006\06-03475-002\CAD\DWG\IECP1.dgn		REGION NO. 10		STATE WASH		FED.AID PROJ.NO.						SR 410 WHITE RIVER - STABILIZE SLOPES PROBLEM SITE 9		Plot 1	
TIME 2:53:14 PM	DATE 12/5/2007	JOB NUMBER 141050G		LOCATION NO.		CONTRACT NO. Y-9292								SHEET 70 OF 82 SHEETS	
PLOTTED BY tprezscott	DESIGNED BY G. KAYS	ENTERED BY T. PRESCOTT	CHECKED BY M. SPILLANE	PROJ. ENGR. D. EDWARDS	REGIONAL ADM. X. XXXXXXXX	REVISION	DATE	BY			ENVIRONMENTAL COMPLIANCE PLAN				

SEC. 9, T. 19 N., R. 9 E., W.M.



FILE NAME		O:\proj\Y2006\06-03475-002\CAD\dwgs\ECP3.dgn		REGION NO.		STATE		FED.AID PROJ.NO.						SR 410 WHITE RIVER - STABILIZE SLOPES PROBLEM SITE 9		Plot 1	
TIME		3:56:54 PM		10		WASH										ECP3	
DATE		12/5/2007		JOB NUMBER		141060G										SHEET 72 OF 82 SHEETS	
PLOTTED BY		tprescott		CONTRACT NO.		Y-9292											
DESIGNED BY		G. KAYS						LOCATION NO.						ENVIRONMENTAL COMPLIANCE PLAN			
ENTERED BY		T. PRESCOTT															
CHECKED BY		M. SPILLANE															
PROJ. ENGR.		D. EDWARDS															
REGIONAL ADM.		X. XXXXXXXX		REVISION		DATE		BY									